## BRUHAT BANGALORE MAHANAGARA PALIKE

**NAME OF WORK:- Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappa Nagara Colony in Ward No.05**

**Estimation Cost.Rs 50000000.00**

| Description of work | Unit | Mesurement No. | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| SOR KSRRB M200-15.2. Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all liftsas per specifications. iii)Dismantling Stone Masonry. B. Rubble Stone masonry in cement mortar.No. KBS Pg No 140 ,Item No 10.7. | | | | | | | | |
| **Box Culvert** | | | | | | | | |
| **Thirumenahalli Colony** | | | | | | | | |
| Thirumenahalli Main Road | Cum | 2 | 4.80 | 0.45 | 0.60 | 2.59 | | |
| Thirumenahalli School Road | Cum | 4 | 7.00 | 0.45 | 0.60 | 7.56 | | |
| **Jakkur Colony** | | | | | | | | |
| Govt School Road | Cum | 2 | 6.00 | 0.45 | 0.50 | 2.70 | | |
| Colony Cross Road -1 | Cum | 2 | 3.50 | 0.45 | 0.50 | 1.58 | | |
| Cross Road-7 (Lakshmi Narasimhaswamy Nilaya) | Cum | 2 | 4.50 | 0.45 | 0.50 | 2.03 | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| Basavalingappa Nagar Main | Cum | 10 | 5.00 | 0.45 | 0.60 | 13.50 | | |
| | | | | | | | | |
| Basic rate | 351.00 | | | | | | | |
| Item weightage 6% | 21.06 | | | | | | | |
| 5km lead & Lift= (5+2*1.28*5) | 69.80 | | | | | | | |
| **Sub Total** | **441.86** | | | | | | | |
| Total | | | | | | **29.95** | **441.86** | **13234.59** |
| SOR KSRRB M200-12.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. Page No. 139, Item No.18.18 and Pg No.136, Item No.17.4,17.1 (5km lead = (5+2*1.28X5) | | | | | | | | |
| **Culvert Deck Slab** | | | | | | | | |
| **Kattigenahalli Colony** | | | | | | | | |
| Kattigenahalli Colony Connecting to Lake | | | | | | | | |
| LBS | Cum | 3 | 6.00 | 1.50 | 0.23 | 6.21 | | |
| | Cum | 1 | 11.00 | 1.80 | 0.23 | 4.55 | | |
| | Cum | 1 | 10.30 | 1.80 | 0.23 | 4.26 | | |
| **Thirumenahalli Colony** | | | | | | | | |
| Thirumenahalli Main Road | Cum | 1 | 4.80 | 1.80 | 0.20 | 1.73 | | |
| Thirumenahalli School Road | Cum | 2 | 7.00 | 1.80 | 0.20 | 5.04 | | |
| **Jakkur Colony** | | | | | | | | |
| Govt School Road | Cum | 1 | 6.00 | 1.50 | 0.23 | 2.07 | | |
| Colony Cross Road -1 | Cum | 1 | 3.50 | 1.20 | 0.23 | 0.97 | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| Basavalingappa Nagar Main Road | Cum | 5 | 5.00 | 1.50 | 0.23 | 8.63 | | |
| | | | | | | | | |
| Basic rate | 557.00 | | | | | | | |

| Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| | | No. | L | B | D | | | |
| Area weightage 6% | 33.42 | | | | | | | |
| 5Km lead & Lift= 57+(2*1.28*5) | 69.80 | | | | | | | |
| **Sub Total** | **660.22** | | | | | | | |
| Total | | | | | | **33.46** | **660.22** | **22089.11** |
| KSRRB 300-1. **Earthwork excavation by manual means for roads,** drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1) 5km lead= 57+2.0x1.28x5 =69.80 | | | | | | | | |
| New Drain | | | | | | | | |
| Kattigenahalli Colony | | | | | | | | |
| SC-ST Smashana Road | Cum | 1 | 170.00 | 1.05 | 1.05 | 187.43 | | |
| Kattigenahalli Colony Connecting to Lake | | | | | | | | |
| RHS | Cum | 1 | 30.00 | 1.20 | 1.05 | 37.80 | | |
| RHS | Cum | 1 | 690.00 | 1.50 | 1.20 | 1242.00 | | |
| LHS | Cum | 1 | 470.00 | 1.20 | 1.05 | 592.20 | | |
| Chikkanahalli Colony | | | | | | | | |
| Chikkanahalli Circle (Sri Lakshmi Real Estate) | Cum | 2 | 102.00 | 1.20 | 1.05 | 257.04 | | |
| Chikkaanahalli Circle to Temple | Cum | 2 | 223.00 | 1.20 | 1.05 | 561.96 | | |
| Thirumenahalli Colony | | | | | | | | |
| Thirumenahalli Main Road | Cum | 1 | 286.00 | 1.20 | 1.05 | 360.36 | | |
| Thirumenahalli School Road | Cum | 1 | 138.00 | 1.20 | 1.05 | 173.88 | | |
| 1st Cross Road | Cum | 1 | 105.00 | 1.05 | 1.05 | 115.76 | | |
| Cross Road | Cum | 2.00 | 76.00 | 1.05 | 1.05 | 167.58 | | |
| 2nd Cross Road | Cum | 2 | 142.00 | 1.05 | 1.05 | 313.11 | | |
| Main Road Connect to Agrahara layout | Cum | 1 | 390.00 | 1.20 | 1.05 | 491.40 | | |
| Thikkur Colony | | | | | | | | |
| Govt School Road | | | | | | | | |
| LHS | Cum | 1 | 120.70 | 1.05 | 1.05 | 133.07 | | |
| RHS | Cum | 1 | 110.70 | 1.05 | 1.05 | 122.05 | | |
| Colony Cross Road -1 | | | | | | | | |
| LHS | Cum | 1 | 27.50 | 1.05 | 1.05 | 30.32 | | |
| Cross Road -2 | Cum | 2 | 90.70 | 1.05 | 1.05 | 199.99 | | |
| Kalpitha Creation Road | Cum | 1 | 72.50 | 1.05 | 1.05 | 79.93 | | |
| Cross Road-5 | Cum | 1 | 49.50 | 1.05 | 1.05 | 54.57 | | |
| Cross Road-6 | Cum | 1 | 43.00 | 1.05 | 1.05 | 47.41 | | |
| Cross Road-7 (Lakshmi Narasimhaswamy Nilaya) | Cum | 2 | 41.60 | 1.05 | 1.05 | 91.73 | | |
| Basavalingappa Nagara Colony | | | | | | | | |
| 4th Cross Hattu Mane Layout | Cum | 1 | 30.00 | 1.20 | 0.90 | 32.40 | | |
| | | | | | | | | |
| New Culvert | | | | | | | | |
| Kattigenahalli Colony | | | | | | | | |
| SC-ST Smashana Road | Cum | 1 | 9.00 | 1.80 | 1.10 | 17.82 | | |
| Kattigenahalli Colony Connecting to Lake | | | | | | | | |
| LHS | Cum | 3 | 6.00 | 1.80 | 1.10 | 35.64 | | |
| | Cum | 5 | 6.00 | 1.80 | 1.10 | 59.40 | | |
| RHS | Cum | 1 | 6.00 | 1.80 | 1.25 | 13.50 | | |

| Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| | | No. | L | B | D | | | |
| | Cum | 1 | 11.00 | 2.10 | 1.25 | 28.88 | | |
| | Cum | 1 | 10.30 | 2.10 | 1.25 | 27.04 | | |
| **Thirumenahalli Colony** | | | | | | | | |
| Thirumenahalli Main Road | Cum | 5 | 4.80 | 2.10 | 1.10 | 55.44 | | |
| Thirumenahalli School Road | Cum | 2 | 7.00 | 2.10 | 1.10 | 32.34 | | |
| 1st Cross Road | Cum | 1 | 3.80 | 2.10 | 1.10 | 8.78 | | |
| Main Road Connect to | Cum | 8 | 5.50 | 2.10 | 1.10 | 101.64 | | |
| **Jakkur Colony** | | | | | | | | |
| Govt School Road | Cum | 1 | 6.00 | 1.80 | 1.10 | 11.88 | | |
| | Cum | 1 | 6.00 | 1.80 | 1.10 | 11.88 | | |
| Colony Cross Road -1 | Cum | 1 | 3.50 | 1.50 | 1.10 | 5.78 | | |
| Cross Road -4 | Cum | 1 | 4.00 | 1.50 | 1.10 | 6.60 | | |
| Cross Road-7 (Lakshmi Narasimhaswamy Nilaya) | Cum | 1 | 4.50 | 1.50 | 1.10 | 7.43 | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| Basavalingappa Nagar Main Road | Cum | 5 | 5.00 | 1.80 | 0.95 | 42.75 | | |
| | | | | | | | | |
| **Drain Desilting** | | | | | | | | |
| **Jakkur Colony** | | | | | | | | |
| Colony Cross Road -1 | | | | | | | | |
| BBS | Cum | 1 | 69.00 | 0.50 | 0.50 | 17.25 | | |
| Cross Road -3 | Cum | 1 | 96.00 | 0.50 | 0.50 | 24.00 | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| Basavalingappa Nagar Main Road | Cum | 2 | 125.00 | 0.50 | 0.50 | 62.50 | | |
| 4th Cross Hattu Mane Layout | Cum | 1 | 112.00 | 0.45 | 0.45 | 22.68 | | |
| | | | | | | | | |
| **Over Burden** | | | | | | | | |
| **Chikkanahalli Colony** | | | | | | | | |
| Cross Road | Cum | 1 | 30.00 | 1.20 | 0.50 | 18.00 | | |
| Chikkanahalli Circle to Temple | Cum | 2 | 223.00 | 1.00 | 0.50 | 223.00 | | |
| | | | | | | | | |
| Basic rate | 130.00 | | | | | | | |
| Less weightage 6% | 7.80 | | | | | | | |
| Add lead & Lift= (5+2*1.28*5) | 69.80 | | | | | | | |
| Sub Total | **207.60** | | | | | | | |
| Total | | | | | | **6126.20** | **207.60** | **1271798.96** |

KBS 2-2.4 : Excavation by manual means for foundation of buildings, water supply & sanitary lines and electrical conduits etc., either in pits or in trenches 1.50m and above in width , soft rock/ Ordinary Rock without Blasting not exceeding 1.5 m. in depth, Including stacking the excavated stuff Clear from edges of excavation with lead upto 50m including cost of explosives, labour and HOM of equipment complete as per specifications. specification. No. KBS 2.1/C 2.2/ 2.18 / 2.19

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Chikkanahalli Colony** | | | | | | | | |

| Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| | | No. | L | B | D | | | |
| Chikkaanahalli Circle to Temple | Cum | 1 | 50.00 | 1.50 | 1.10 | 82.50 | | I.No.2.6 |
| | | | | | | | | |
| Basic rate | 1421.00 | | | | | | | |
| Area weightage 6% | 85.26 | | | | | | | |
| 0Km lead= (2*1.28*5) | 12.80 | | | | | | | |
| **Sub Total** | **1519.06** | | | | | | | |
| Total | | | | | | **82.50** | **1519.06** | **125322.45** |
| Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.27-I.No.5.33) | | | | | | | | |
| **Precast Cover Slab** | | | | | | | | |
| **Jakkur Colony** | | | | | | | | |
| Colony Cross Road -1 | | | | | | | | |
| LHS | Sqm | 1 | 27.50 | 0.75 | | 20.63 | | |
| RHS | Sqm | 1 | 69.00 | 0.90 | | 62.10 | | |
| Cross Road -3 | Sqm | 1 | 96.00 | 0.75 | | 72.00 | | |
| Kalpitha Creation Road | Sqm | 1 | 72.50 | 0.75 | | 54.38 | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| Basavalingappa Nagar Main Road | Sqm | 2 | 125.00 | 0.90 | | 225.00 | | |
| 4th Cross Hattu Mane Layout | Sqm | 1 | 112.00 | 0.90 | | 100.80 | | |
| | | | | | | | | |
| | | | | | **Sub Total** | **534.90** | | |
| | | | | | | | | |
| | | | | | **Total** | **534.90** | | |
| Deduct 50% for Missing/Damaged | | | | | | **267.45** | | |
| | | | | | | **267.45** | | |
| **Consider 50% Qnty for Removing & Refixing** | | | | | | **133.73** | | |
| | | | | | | | | |
| Basic rate | 105.00 | | | | | | | |
| Area weightage 6% | 6.30 | | | | | | | |
| **Sub Total** | **111.30** | | | | | | | |
| Total | | | | | | **133.73** | **111.30** | **14883.59** |
| KSRRB M2100 PCC 1 KSRRB M2100-10. Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 230kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications.MORTH Specification No. 2100 Pg no:222 Item no:27.18 | | | | | | | | |
| **New Drain** | | | | | | | | |
| **Kattigenahalli Colony** | | | | | | | | |
| SC-ST Smashana Road | Cum | 1 | 170.00 | 1.05 | 0.15 | 26.78 | | |
| Kattigenahalli Colony Connecting to Lake | | | | | | | | |
| RHS | Cum | 1 | 30.00 | 1.20 | 0.15 | 5.40 | | |
| RHS | Cum | 1 | 690.00 | 1.50 | 0.15 | 155.25 | | |
| LHS | Cum | 1 | 470.00 | 1.20 | 0.15 | 84.60 | | |
| **Chikkanahalli Colony** | | | | | | | | |
| Chikkanahalli Circle (Sri Lakshmi Real Estate) | Cum | 2 | 102.00 | 1.20 | 0.15 | 36.72 | | |

| Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| | | No. | L | B | D | | | |
| Chikkaanahalli Circle to Temple | Cum | 2 | 223.00 | 1.20 | 0.15 | 80.28 | | |
| **Thirumenahalli Colony** | | | | | | | | |
| Thirumenahalli Main Road | Cum | 1 | 286.00 | 1.20 | 0.15 | 51.48 | | |
| Thirumenahalli School Road | Cum | 1 | 138.00 | 1.20 | 0.15 | 24.84 | | |
| Cross Road | Cum | 1 | 105.00 | 1.05 | 0.15 | 16.54 | | |
| Cross Road | Cum | 2.00 | 76.00 | 1.05 | 0.15 | 23.94 | | |
| Cross Road | Cum | 2 | 142.00 | 1.05 | 0.15 | 44.73 | | |
| Road Connect to Agrahara layout | Cum | 1 | 390.00 | 1.20 | 0.15 | 70.20 | | |
| **Colony** | | | | | | | | |
| School Road | | | | | | | | |
| | Cum | 1 | 120.70 | 1.05 | 0.15 | 19.01 | | |
| | Cum | 1 | 110.70 | 1.05 | 0.15 | 17.44 | | |
| Cross Road -1 | | | | | | | | |
| | Cum | 1 | 27.50 | 1.05 | 0.15 | 4.33 | | |
| Road -2 | Cum | 2 | 90.70 | 1.05 | 0.15 | 28.57 | | |
| Creation Road | Cum | 1 | 72.50 | 1.05 | 0.15 | 11.42 | | |
| Road-5 | Cum | 1 | 49.50 | 1.05 | 0.15 | 7.80 | | |
| Road-6 | Cum | 1 | 43.00 | 1.05 | 0.15 | 6.77 | | |
| Road-7 (Lakshmi Narasimhaswamy Nilaya) | Cum | 2 | 41.60 | 1.05 | 0.15 | 13.10 | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| Cross Hattu Mane Layout | Cum | 1 | 30.00 | 1.20 | 0.15 | 5.40 | | |
| | | | | | | | | |
| **New Culvert** | | | | | | | | |
| **Kattigenahalli Colony** | | | | | | | | |
| SC-ST Smashana Road | Cum | 1 | 9.00 | 1.80 | 0.15 | 2.43 | | |
| Kattigenahalli Colony Connecting to Lake | | | | | | | | |
| | Cum | 3 | 6.00 | 1.80 | 0.15 | 4.86 | | |
| | Cum | 5 | 6.00 | 1.80 | 0.15 | 8.10 | | |
| | Cum | 1 | 6.00 | 1.80 | 0.15 | 1.62 | | |
| | Cum | 1 | 11.00 | 2.10 | 0.15 | 3.47 | | |
| | Cum | 1 | 10.30 | 2.10 | 0.15 | 3.24 | | |
| **Thirumenahalli Colony** | | | | | | | | |
| Thirumenahalli Main Road | Cum | 5 | 4.80 | 2.10 | 0.15 | 7.56 | | |
| Thirumenahalli School Road | Cum | 2 | 7.00 | 2.10 | 0.15 | 4.41 | | |
| Cross Road | Cum | 1 | 3.80 | 2.10 | 0.15 | 1.20 | | |
| Road Connect to Agrahara layout | Cum | 8 | 5.50 | 2.10 | 0.15 | 13.86 | | |
| **Colony** | | | | | | | | |
| School Road | Cum | 1 | 6.00 | 1.80 | 0.15 | 1.62 | | |
| | Cum | 1 | 6.00 | 1.80 | 0.15 | 1.62 | | |
| Cross Road -1 | Cum | 1 | 3.50 | 1.50 | 0.15 | 0.79 | | |
| Road -4 | Cum | 1 | 4.00 | 1.50 | 0.15 | 0.90 | | |
| Road-7 (Lakshmi Narasimhaswamy Nilaya) | Cum | 1 | 4.50 | 1.50 | 0.15 | 1.01 | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| Basavalingappa Nagar Main Road | Cum | 5 | 5.00 | 1.80 | 0.15 | 6.75 | | |
| | | | | | | | | |

| Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| | | No. | L | B | D | | | |
| For CC Road | | | | | | | | |
| **Chokkanahalli Colony** | | | | | | | | |
| Chokkanahalli Circle (Sri Lakshmi Real Estate) | Cum | 1 | 102.00 | 5.20 | 0.15 | 79.56 | | |
| **Thirumenahalli Colony** | | | | | | | | |
| 1st Cross Road | Cum | 1 | 71.00 | 3.80 | 0.15 | 40.47 | | |
| **Jakkur Colony** | | | | | | | | |
| Govt School Road | Cum | 1 | 26.00 | 4.00 | 0.15 | 15.60 | | |
| Colony Cross Road -1 | Cum | 1 | 65.00 | 2.80 | 0.15 | 27.30 | | |
| Cross Road -3 | Cum | 1 | 96.00 | 4.80 | 0.15 | 69.12 | | |
| Cross Road -4 | Cum | 1 | 72.80 | 3.60 | 0.15 | 39.31 | | |
| Cross Road - 8 | Cum | 1 | 95.20 | 3.00 | 0.15 | 42.84 | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| 4th Cross Hattu Mane Layout | Cum | 1 | 142.00 | 3.00 | 0.15 | 63.90 | | |
| | | | | | | | | |
| Basic rate | 5115.00 | | | | | | | |
| Extra weightage 6% | 306.90 | | | | | | | |
| **Sub Total** | 5421.90 | | | | | | | |
| Total | | | | | | **1176.13** | **5421.90** | **6376857.89** |

Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm(Item No 37.59.2 page no 271)

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **New Drain** | | | | | | | | |
| **Bottom Raft** | | | | | | | | |
| **Kattigenahalli Colony** | | | | | | | | |
| SC-ST Smashana Road | Cum | 1 | 170.00 | 0.75 | 0.15 | 19.13 | | |
| Kattigenahalli Colony Connecting to Lake | | | | | | | | |
| RHS | Cum | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| RHS | Cum | 1 | 690.00 | 1.20 | 0.15 | 124.20 | | |
| LHS | Cum | 1 | 470.00 | 0.90 | 0.15 | 63.45 | | |
| **Chokkanahalli Colony** | | | | | | | | |
| Chokkanahalli Circle (Sri Lakshmi Real Estate) | Cum | 2 | 102.00 | 0.90 | 0.15 | 27.54 | | |
| Chokkaanahalli Circle to Temple | Cum | 2 | 223.00 | 0.90 | 0.15 | 60.21 | | |
| **Thirumenahalli Colony** | | | | | | | | |
| Thirumenahalli Main Road | Cum | 1 | 286.00 | 0.90 | 0.15 | 38.61 | | |
| Thirumenahalli School Road | Cum | 1 | 138.00 | 0.90 | 0.15 | 18.63 | | |
| 1st Cross Road | Cum | 1 | 105.00 | 0.75 | 0.15 | 11.81 | | |
| Cross Road | Cum | 2 | 76.00 | 0.75 | 0.15 | 17.10 | | |
| 2nd Cross Road | Cum | 2 | 142.00 | 0.75 | 0.15 | 31.95 | | |
| Main Road Connect to Agarahara layout | Cum | 1 | 390.00 | 0.90 | 0.15 | 52.65 | | |
| **Jakkur Colony** | | | | | | | | |
| Govt School Road | | | | | | | | |
| LHS | Cum | 1 | 120.70 | 0.75 | 0.15 | 13.58 | | |
| RHS | Cum | 1 | 110.70 | 0.75 | 0.15 | 12.45 | | |
| Colony Cross Road -1 | | | | | | | | |
| LHS | Cum | 1 | 27.50 | 0.75 | 0.15 | 3.09 | | |

| Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| | | No. | L | B | D | | | |
| Cross Road -2 | Cum | 2 | 90.70 | 0.75 | 0.15 | 20.41 | | |
| Kalpitha Creation Road | Cum | 1 | 72.50 | 0.75 | 0.15 | 8.16 | | |
| Cross Road-5 | Cum | 1 | 49.50 | 0.75 | 0.15 | 5.57 | | |
| Cross Road-6 | Cum | 1 | 43.00 | 0.75 | 0.15 | 4.84 | | |
| Cross Road-7 (Lakshmi Narasimhaswamy Nilaya) | Cum | 2 | 41.60 | 0.75 | 0.15 | 9.36 | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| 4th Cross Hattu Mane Layout | Cum | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| | | | | | | | | |
| **Side Walls** | | | | | | | | |
| **Kattigenahalli Colony** | | | | | | | | |
| SC-ST Smashana Road | Cum | 2 | 170.00 | 0.15 | 0.75 | 38.25 | | |
| Kattigenahalli Colony Connecting to Lake | | | | | | | | |
| RHS | Cum | 1 | 30.00 | 0.15 | 0.75 | 3.38 | | |
| RHS | Cum | 1 | 690.00 | 0.15 | 0.90 | 93.15 | | |
| LHS | Cum | 1 | 470.00 | 0.15 | 0.75 | 52.88 | | |
| **Chokkanahalli Colony** | | | | | | | | |
| Chokkanahalli Circle (Sri Lakshmi Real Estate) | Cum | 4 | 102.00 | 0.15 | 0.75 | 45.90 | | |
| Chokkaanahalli Circle to Temple | Cum | 4 | 223.00 | 0.15 | 0.75 | 100.35 | | |
| **Thirumenahalli Colony** | | | | | | | | |
| Thirumenahalli Main Road | Cum | 2 | 286.00 | 0.15 | 0.75 | 64.35 | | |
| Thirumenahalli School Road | Cum | 2 | 138.00 | 0.15 | 0.75 | 31.05 | | |
| 1st Cross Road | Cum | 2 | 105.00 | 0.15 | 0.75 | 23.63 | | |
| Cross Road | Cum | 4 | 76.00 | 0.15 | 0.75 | 34.20 | | |
| 2nd Cross Road | Cum | 4 | 142.00 | 0.15 | 0.75 | 63.90 | | |
| Main Road Connect to Agarahara layout | Cum | 2 | 390.00 | 0.15 | 0.75 | 87.75 | | |
| **Dukkur Colony** | | | | | | | | |
| Govt School Road | | | | | | | | |
| LHS | Cum | 2 | 120.70 | 0.15 | 0.75 | 27.16 | | |
| RHS | Cum | 2 | 110.70 | 0.15 | 0.75 | 24.91 | | |
| Colony Cross Road -1 | | | | | | | | |
| LHS | Cum | 2 | 27.50 | 0.15 | 0.75 | 6.19 | | |
| Cross Road -2 | Cum | 4 | 90.70 | 0.15 | 0.75 | 40.82 | | |
| Kalpitha Creation Road | Cum | 2 | 72.50 | 0.15 | 0.75 | 16.31 | | |
| Cross Road-5 | Cum | 2 | 49.50 | 0.15 | 0.75 | 11.14 | | |
| Cross Road-6 | Cum | 2 | 43.00 | 0.15 | 0.75 | 9.68 | | |
| Cross Road-7 (Lakshmi Narasimhaswamy Nilaya) | Cum | 4 | 41.60 | 0.15 | 0.75 | 18.72 | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| 4th Cross Hattu Mane Layout | Cum | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| | | | | | | | | |
| | | | | | **Sub Total** | **1349.92** | | |
| **New Culvert** | | | | | | | | |
| **Bottom Raft** | | | | | | | | |
| **Kattigenahalli Colony** | | | | | | | | |

| Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| | | No. | L | B | D | | | |
| SC-ST Smashana Road | Cum | 1 | 9.00 | 1.50 | 0.20 | 2.70 | | |
| Kattigenahalli Colony Connecting to Lake | | | | | | | | |
| LHS | Cum | 3 | 6.00 | 1.50 | 0.20 | 5.40 | | |
| | Cum | 5 | 6.00 | 1.50 | 0.20 | 9.00 | | |
| RHS | Cum | 1 | 6.00 | 1.50 | 0.20 | 1.80 | | |
| | Cum | 1 | 11.00 | 1.80 | 0.20 | 3.96 | | |
| | Cum | 1 | 10.30 | 1.80 | 0.20 | 3.71 | | |
| **Thirumenahalli Colony** | | | | | | | | |
| Thirumenahalli Main Road | Cum | 5 | 4.80 | 1.80 | 0.20 | 8.64 | | |
| Thirumenahalli School Road | Cum | 2 | 7.00 | 1.80 | 0.20 | 5.04 | | |
| 1st Cross Road | Cum | 1 | 3.80 | 1.80 | 0.20 | 1.37 | | |
| Main Road Connect to Agarahara layout | Cum | 8 | 5.50 | 1.80 | 0.20 | 15.84 | | |
| **Jakkur Colony** | | | | | | | | |
| Govt School Road | Cum | 1 | 6.00 | 1.50 | 0.20 | 1.80 | | |
| | Cum | 1 | 6.00 | 1.50 | 0.20 | 1.80 | | |
| Colony Cross Road -1 | Cum | 1 | 3.50 | 1.20 | 0.20 | 0.84 | | |
| Cross Road -4 | Cum | 1 | 4.00 | 1.20 | 0.20 | 0.96 | | |
| Cross Road-7 (Lakshmi Narasimhaswamy Nilaya) | Cum | 1 | 4.50 | 1.20 | 0.20 | 1.08 | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| Basavalingappa Nagar Main Road | Cum | 5 | 5.00 | 1.50 | 0.20 | 7.50 | | |
| | | | | | | | | |
| **Side Walls** | | | | | | | | |
| **Kattigenahalli Colony** | | | | | | | | |
| SC-ST Smashana Road | Cum | 2 | 9.00 | 0.20 | 0.75 | 2.70 | | |
| Kattigenahalli Colony Connecting to Lake | | | | | | | | |
| LHS | Cum | 6 | 6.00 | 0.20 | 0.75 | 5.40 | | |
| | Cum | 10 | 6.00 | 0.20 | 0.75 | 9.00 | | |
| RHS | Cum | 2 | 6.00 | 0.20 | 0.90 | 2.16 | | |
| | Cum | 2 | 11.00 | 0.20 | 0.90 | 3.96 | | |
| | Cum | 2 | 10.30 | 0.20 | 0.90 | 3.71 | | |
| **Thirumenahalli Colony** | | | | | | | | |
| Thirumenahalli Main Road | Cum | 10 | 4.80 | 0.20 | 0.75 | 7.20 | | |
| Thirumenahalli School Road | Cum | 4 | 7.00 | 0.20 | 0.75 | 4.20 | | |
| 1st Cross Road | Cum | 2 | 3.80 | 0.20 | 0.75 | 1.14 | | |
| Main Road Connect to Agarahara layout | Cum | 16 | 5.50 | 0.20 | 0.75 | 13.20 | | |
| **Jakkur Colony** | | | | | | | | |
| Govt School Road | Cum | 2 | 6.00 | 0.20 | 0.75 | 1.80 | | |
| | Cum | 2 | 6.00 | 0.20 | 0.75 | 1.80 | | |
| Colony Cross Road -1 | Cum | 2 | 3.50 | 0.20 | 0.75 | 1.05 | | |
| Cross Road -4 | Cum | 2 | 4.00 | 0.20 | 0.75 | 1.20 | | |
| Cross Road-7 (Lakshmi Narasimhaswamy Nilaya) | Cum | 2 | 4.50 | 0.20 | 0.75 | 1.35 | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |

| Description of work | Unit | Mesurement No. | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| Basavalingappa Nagar Main Road | Cum | 10 | 5.00 | 0.20 | 0.60 | 6.00 | | |
| | | | | | | | | |
| | | | | Sub Total | | 137.30 | | |
| | | | | | | | | |
| Basic rate | 6670.00 | | | | | | | |
| Area weightage 6% | 400.20 | | | | | | | |
| **Sub Total** | 7070.20 | | | | | | | |
| **Total** | | | | | | **1487.23** | **7070.20** | **10514979.96** |

KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **For Drain** | Cum | From item no.7 | | | | 1349.92 | | |
| | kg | Steel assumed 60Kg/Cum of Concrete | | | | 80995.28 | | |
| | tonne | | | | | 81.00 | | |
| **For Culvert** | Cum | From item No 07 | | | | 137.30 | | |
| | kg | Steel assumed 90Kg/Cum of Concrete | | | | 12357.36 | | |
| | tonne | | | | | 12.36 | | |
| Basic rate | 61365.00 | | | | | | | |
| Area weightage 6% | 3681.90 | | | | | | | |
| **Sub Total** | 65046.90 | | | | | | | |
| **Total** | | | | | | **93.35** | **65046.90** | **6072299.51** |

Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Provide 50% for Missing/Damaged** | | From item no.5 | | | | **267.45** | | |
| | | | | | | | | |
| **Kattigenahalli Colony** | | | | | | | | |
| SC-ST Smashana Road | Sqm | 1 | 170.00 | 0.75 | | 127.50 | | |
| Kattigenahalli Colony Connecting to Lake | | | | | | | | |
| RHS | Sqm | 1 | 30.00 | 0.90 | | 27.00 | | |
| LHS | Sqm | 1 | 470.00 | 0.90 | | 423.00 | | |
| **Chokkanahalli Colony** | | | | | | | | |
| Chokkanahalli Circle (Sri Lakshmi Real Estate) | Sqm | 2 | 102.00 | 0.90 | | 183.60 | | |
| Cross Road | Sqm | 1 | 30.00 | 1.20 | | 36.00 | | |
| Chokkaanahalli Circle to Temple | Sqm | 2 | 223.00 | 0.90 | | 401.40 | | |
| **Thirumenahalli Colony** | | | | | | | | |
| Thirumenahalli Main Road | Sqm | 1 | 286.00 | 0.90 | | 257.40 | | |
| Thirumenahalli School Road | Sqm | 1 | 138.00 | 0.90 | | 124.20 | | |
| 1st Cross Road | Sqm | 1 | 105.00 | 0.75 | | 78.75 | | |
| Cross Road | Sqm | 2.00 | 76.00 | 0.75 | | 114.00 | | |
| 2nd Cross Road | Sqm | 2 | 142.00 | 0.75 | | 213.00 | | |
| Main Road Connect to Agarahara layout | Sqm | 1 | 390.00 | 0.90 | | 351.00 | | |

| Description of work | Unit | Mesurement No. | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| **Jakkur Colony** | | | | | | | | |
| Govt School Road | | | | | | | | |
| LHS | Sqm | 1 | 120.70 | 0.75 | | 90.53 | | |
| RHS | Sqm | 1 | 110.70 | 0.75 | | 83.03 | | |
| Cross Road -2 | Sqm | 2 | 90.70 | 0.75 | | 136.05 | | |
| Cross Road-5 | Sqm | 1 | 49.50 | 0.75 | | 37.13 | | |
| Cross Road-6 | Sqm | 1 | 43.00 | 0.75 | | 32.25 | | |
| Cross Road-7 (Lakshmi Narasimhaswamy Nilaya) | Sqm | 2 | 41.60 | 0.75 | | 62.40 | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| 4th Cross Hattu Mane Layout | Sqm | 1 | 30.00 | 0.90 | | 27.00 | | |
| **Kattigenahalli Colony** | | | | | | | | |
| Kattigenahalli Colony Connecting to Lake | | | | | | | | |
| RHS | Sqm | 1 | 690.00 | 1.20 | | 828.00 | | |
| | | | | | | | | |
| Data Rate | **2337.00** | | | | | | | |
| Total | | | | | | **3900.68** | **2337.00** | **9115877.48** |
| Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incha | | | | | | | | |
| **New Culvert** | | | | | | | | |
| **Kattigenahalli Colony** | | | | | | | | |
| SC-ST Smashana Road | Sqm | 1 | 9.00 | 1.50 | | 13.50 | | |
| Kattigenahalli Colony Connecting to Lake | | | | | | | | |
| LHS | Sqm | 3 | 6.00 | 1.50 | | 27.00 | | |
| | Sqm | 5 | 6.00 | 1.50 | | 45.00 | | |
| RHS | Sqm | 1 | 6.00 | 1.50 | | 9.00 | | |
| | Sqm | 1 | 11.00 | 1.80 | | 19.80 | | |
| | Sqm | 1 | 10.30 | 1.80 | | 18.54 | | |
| **Thirumenahalli Colony** | | | | | | | | |
| Thirumenahalli Main Road | Sqm | 5 | 4.80 | 1.80 | | 43.20 | | |
| Thirumenahalli School Road | Sqm | 2 | 7.00 | 1.80 | | 25.20 | | |
| 1st Cross Road | Sqm | 1 | 3.80 | 1.80 | | 6.84 | | |
| Main Road Connect to Agarahara layout | Sqm | 8 | 5.50 | 1.80 | | 79.20 | | |
| **Jakkur Colony** | | | | | | | | |
| Govt School Road | Sqm | 1 | 6.00 | 1.50 | | 9.00 | | |
| | Sqm | 1 | 6.00 | 1.50 | | 9.00 | | |
| Colony Cross Road -1 | Sqm | 1 | 3.50 | 1.20 | | 4.20 | | |
| Cross Road -4 | Sqm | 1 | 4.00 | 1.20 | | 4.80 | | |
| Cross Road-7 (Lakshmi Narasimhaswamy Nilaya) | Sqm | 1 | 4.50 | 1.20 | | 5.40 | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| Basavalingappa Nagar Main Road | Sqm | 5 | 5.00 | 1.50 | | 37.50 | | |
| | | | | | | | | |
| **Data rate** | **5418.00** | | | | | | | |

| Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| | | No. | L | B | D | | | |
| Total | | | | | | 357.18 | 5418.00 | 1935201.24 |

KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of Mix 1:2:4** with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **New kerb stone** | | | | | | | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| Basavalingappa Nagar Main Road | Cum | 2 | 125.00 | 0.20 | 0.10 | 5.00 | | |
| | | | | | | | | |
| **Drain Coping Concrete** | | | | | | | | |
| **Jakkur Colony** | | | | | | | | |
| Cross Road -3 | Cum | 2 | 96.00 | 0.15 | 0.15 | 4.32 | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| Basavalingappa Nagar Main Road | Cum | 4 | 125.00 | 0.15 | 0.15 | 11.25 | | |
| 4th Cross Hattu Mane Layout | Cum | 2 | 112.00 | 0.15 | 0.15 | 5.04 | | |
| | | | | | | | | |
| Basic rate | 5422.00 | | | | | | | |
| Area weightage 6% | 325.32 | | | | | | | |
| **Sub Total** | **5747.32** | | | | | **25.61** | **5747.32** | **147188.87** |
| Total | | | | | | | | |

Providing and fixing **pre cast solid cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19)

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **New kerb stone** | | | | | | | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| Basavalingappa Nagar Main Road | | 2 | 125.00 | | | 250.00 | | |
| | | | | | **Sub Total** | **250.00** | | |
| | | | | | | 250.00 | | |
| Total length | | | | | Total Length/0.45 | 555.56 | | |
| No of Kerb Stones | Nos | | | | | **556.00** | | |
| **Total** | Nos | | | | | | | |
| | | | | | | | | |
| Basic rate | 408.00 | | | | | | | |
| Area weightage 6% | 24.48 | | | | | | | |
| **Sub Total** | **432.48** | | | | | **556.00** | **432.48** | **240458.88** |
| Total | | | | | | | | |

KSRRB 800-1. **Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180. Iitem no.24.1 of KPWD S.R Bangalore Circle 2018-2019)

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **New kerb stone** | | | | | | | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| Basavalingappa Nagar Main Road | Sqm | 2 | 125.00 | | 0.40 | 100.00 | | |
| | | | | | | | | |
| Basic rate | 80.00 | | | | | | | |

| Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| | | No. | L | B | D | | | |
| Area weightage 6% | 4.80 | | | | | | | |
| **Sub Total** | **84.80** | | | | | | | |
| **Total** | | | | | | **100.00** | **84.80** | **8480.00** |
| KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Chapter 3(P.No.146, I.No.19.56 ) | | | | | | | | |
| **New Road** | | | | | | | | |
| **Kattigenahalli Colony** | | | | | | | | |
| SC-ST Smashana Road | Sqm | 1 | 297.00 | 8.20 | | 2435.40 | | |
| **Chokkanahalli Colony** | | | | | | | | |
| Chokkanahalli Circle (Sri Lakshmi Real Estate) | Sqm | 1 | 102.00 | 5.20 | | 530.40 | | |
| **Jakkur Colony** | | | | | | | | |
| Cross Road - 8 | Sqm | 1 | 95.20 | 3.00 | | 285.60 | | |
| | | | | | | | | |
| Basic rate | 39.00 | | | | | | | |
| Area weightage 6% | 2.34 | | | | | | | |
| Sub Total | 41.34 | | | | | | | |
| **Total** | | | | | | **3251.40** | **41.34** | **134412.88** |
| KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.(I No-19.64,P No-147) | | | | | | | | |
| **Kattigenahalli Colony** | | | | | | | | |
| SC-ST Smashana Road | Sqm | 1 | 297.00 | 8.20 | | 2435.40 | | |
| **Chokkanahalli Colony** | | | | | | | | |
| Chokkanahalli Circle (Sri Lakshmi Real Estate) | Sqm | 1 | 102.00 | 5.20 | | 530.40 | | |
| **Jakkur Colony** | | | | | | | | |
| Cross Road - 8 | Sqm | 1 | 95.20 | 3.00 | | 285.60 | | |
| | | | | | | | | |
| Basic rate | 6.00 | | | | | | | |
| Area weightage 6% | 0.36 | | | | | | | |
| Sub Total | 6.36 | | | | | | | |
| **Total** | | | | | | **3251.40** | **6.36** | **20678.90** |
| Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.( I No-20.5,P No-153) | | | | | | | | |
| **New Road** | | | | | | | | |
| **Kattigenahalli Colony** | | | | | | | | |
| SC-ST Smashana Road | Cum | 1 | 297.00 | 8.20 | 0.15 | 365.31 | | |
| | | | | | | | | |
| Basic rate | 1882.00 | | | | | | | |
| Area weightage 6% | 112.92 | | | | | | | |
| Sub Total | 1994.92 | | | | | | | |
| **Total** | | | | | | **365.31** | **1994.92** | **728764.23** |
| KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18) | | | | | | | | |

| Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| | | No. | L | B | D | | | |
| **New Road** | | | | | | | | |
| **Kattigenahalli Colony** | | | | | | | | |
| SC-ST Smashana Road | Cum | 1 | 297.00 | 8.20 | 0.23 | 560.14 | | |
| | | | | | | | | |
| Basic rate | 1888.00 | | | | | | | |
| Area weightage 6% | 113.28 | | | | | | | |
| **Sub Total** | **2001.28** | | | | | | | |
| **Total** | | | | | | **560.14** | **2001.28** | **1121000.98** |

KSRRB 500-1.Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications.(P.No.158,I.No.21.1)

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **New Road** | | | | | | | | |
| **Kattigenahalli Colony** | | | | | | | | |
| SC-ST Smashana Road | Sqm | 1 | 297.00 | 8.20 | | 2435.40 | | |
| | | | | | | | | |
| Basic rate | 21.00 | | | | | | | |
| Area weightage 6% | 1.26 | | | | | | | |
| **Sub Total** | **22.26** | | | | | | | |
| **Total** | | | | | | **2435.40** | **22.26** | **54212.00** |

KSRRB M500-6. Providing and applying **primer coat** with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6)

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Sqm | From Item No. 18 | | | | 2435.40 | | |
| | | | | | | | | |
| Basic rate | 28.00 | | | | | | | |
| Area weightage 6% | 1.68 | | | | | | | |
| **Sub Total** | **29.68** | | | | | | | |
| **Total** | | | | | | **2435.40** | **29.68** | **72282.67** |

KSRRB M500-17. Providing and laying **dense graded bituminous macadam** using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6)

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **New Road** | | | | | | | | |
| **Kattigenahalli Colony** | | | | | | | | |
| SC-ST Smashana Road | Cum | 1 | 297.00 | 8.20 | 0.05 | 121.77 | | |
| | | | | | | | | |
| Basic rate | 6045.00 | | | | | | | |
| Area weightage 6% | 362.70 | | | | | | | |
| **Sub Total** | **6407.70** | | | | | | | |
| **Total** | | | | | | **121.77** | **6407.70** | **780265.63** |

KSRRB 500-2.Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications.(P.No.158,I.No.21.2).

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **New Road** | | | | | | | | |
| **Kattigenahalli Colony** | | | | | | | | |
| SC-ST Smashana Road | Sqm | 1 | 297.00 | 8.20 | | 2435.40 | | |
| | | | | | | | | |
| Basic rate | 5.00 | | | | | | | |
| Area weightage 6% | 0.30 | | | | | | | |
| **Sub Total** | **5.30** | | | | | | | |

| Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| | | No. | L | B | D | | | |
| **Total** | | | | | | **2435.40** | **5.30** | **12907.62** |
| KSRRB 500-7. Providing and **applying tack coat** using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-161,I No-21.7) | | | | | | | | |
| | Sqm | From Item No. 21 | | | | 2435.40 | | |
| Basic rate | 12.00 | | | | | | | |
| Area weightage 6% | 0.72 | | | | | | | |
| **Sub Total** | **12.72** | | | | | | | |
| **Total** | | | | | | **2435.40** | **12.72** | **30978.29** |
| Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment , rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.Clause 507 of MORTH V revision as per IRC SP-53-2015 - using 40-60 TPH capacity HMP with mechanical Paver, Gr-II (30-45mm) with 5.4 % of modified bitumen binder consisting of 4.97% VG- 30 bitumen (60/70 grade) 0.43% Plastomeric Thermoplastics (Waste plastic Additive). (P.No-171I No-21.78.12) | | | | | | | | |
| **Kattigenahalli Colony** | | | | | | | | |
| SC-ST Smashana Road | Cum | 1 | 297.00 | 8.20 | 0.04 | 97.42 | | |
| | | | | | | | | |
| Basic rate | 7111.00 | | | | | | | |
| Area weightage 6% | 426.66 | | | | | | | |
| **Sub Total** | **7537.66** | | | | | | | |
| **Total** | | | | | | **97.42** | **7537.66** | **734288.69** |
| KSRRB M800-13.**Road Marking with Hot Applied Thermoplastic Compound** with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15) | | | | | | | | |
| **Kattigenahalli Colony** | | | | | | | | |
| **SC-ST Smashana Road** | | | | | | | | |
| For Centre | Sqm | 0.5 | 297.00 | 0.10 | | 14.85 | | |
| For Edges | Sqm | 2 | 297.00 | 0.10 | | 59.40 | | |
| | | | | | | | | |
| Basic rate | 429.00 | | | | | | | |
| Area weightage 6% | 25.74 | | | | | | | |
| **Sub Total** | **454.74** | | | | | | | |
| **Total** | | | | | | **74.25** | **454.74** | **33764.45** |
| KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202(P.No.140- I.No.18.47) & Pg No.136, Item No.17.4,17.1 | | | | | | | | |
| **Jakkur Colony** | | | | | | | | |
| Govt School Road | Cum | 1 | 26.00 | 4.00 | 0.20 | 20.80 | | |
| Colony Cross Road -1 | Cum | 1 | 65.00 | 2.80 | 0.20 | 36.40 | | |
| Cross Road -3 | Cum | 1 | 96.00 | 4.80 | 0.20 | 92.16 | | |
| Cross Road -4 | Cum | 1 | 72.80 | 3.60 | 0.20 | 52.42 | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| 4th Cross Hattu Mane Layout | Cum | 1 | 142.00 | 3.00 | 0.20 | 85.20 | | |
| **Thirumenahalli Colony** | | | | | | | | |
| 1st Cross Road | Cum | 1 | 71.00 | 3.80 | 0.20 | 53.96 | | |

| Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| | | No. | L | B | D | | | |
| Basic rate | 899.00 | | | | | | | |
| Area weightage 6% | 53.94 | | | | | | | |
| **Sub Total** | **952.94** | | | | | | | |
| **Total** | | | | | | **340.94** | **952.94** | **324891.55** |

Cement concrete pavement.Construction of un-reinforced plain cement concrete for pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008.mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire charges of machineries,all lead and lift charges etc., complete as per specifications. - do with OPC at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum Pg No.176Item No.22.6.1

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Chokkanahalli Colony** | | | | | | | | |
| Chokkanahalli Circle (Sri Lakshmi Real Estate) | Cum | 1 | 102.00 | 5.20 | 0.15 | 79.56 | | |
| **Thirumenahalli Colony** | | | | | | | | |
| 1st Cross Road | Cum | 1 | 71.00 | 3.80 | 0.15 | 40.47 | | |
| **Jakkur Colony** | | | | | | | | |
| Govt School Road | Cum | 1 | 26.00 | 4.00 | 0.15 | 15.60 | | |
| Colony Cross Road -1 | Cum | 1 | 65.00 | 2.80 | 0.15 | 27.30 | | |
| Cross Road -3 | Cum | 1 | 96.00 | 4.80 | 0.15 | 69.12 | | |
| Cross Road -4 | Cum | 1 | 72.80 | 3.60 | 0.15 | 39.31 | | |
| Cross Road - 8 | Cum | 1 | 95.20 | 3.00 | 0.15 | 42.84 | | |
| **Basavalingappa Nagara Colony** | | | | | | | | |
| 4th Cross Hattu Mane Layout | Cum | 1 | 142.00 | 3.00 | 0.15 | 63.90 | | |
| | | | | | | | | |
| Basic rate | 4916.00 | | | | | | | |
| Area weightage 6% | 294.96 | | | | | | | |
| **sub Total** | **5210.96** | | | | | | | |
| **Total** | | | | | | **378.10** | **5210.96** | **1970274.40** |

| | |
|---|---|
| **Grand Total** | **41877394.82** |
| DPR Charges (1% of estimated cost) | 500000.00 |
| Project management And Consultancy Charges(1% of estimated cost) | 500000.00 |
| GST Charges (12% of estimated cost) | 5025287.38 |
| Tender Premium (5% of estimated Cost ) | 2093869.74 |
| Miscellenious and rounding | 3448.06 |
| **Total Amount** | **50000000.00** |
| **RUPEES FIVE CROREONLY** | |

Technical Sanction
Accorded For ..... P.S. Sowmya Lakshmi
Head of A/C..... P 1878
CER NO :..... Dt:..

Administrative Approval
Accorded For ..... P.S. Sowmya Lakshmi
Head of A/C..... P 1878
CER NO :..... Dt:..

E.E. (Project)

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019,Issue rates and Data Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP